

Issuance Date: March 9, 2006
Effective Date: April 1, 2006
Expiration Date: March 8, 2011

STATE WASTE DISCHARGE PERMIT NUMBER ST 8028

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
Spokane, Washington 99205-1295

In compliance with the provisions of the
State of Washington Water Pollution Control Law
Chapter 90.48 Revised Code of Washington, as amended,
authorizes

City of Ritzville

209 N. Adams

Ritzville, WA 99169

to discharge wastewater in accordance with the special and general conditions which follow.

Plant Location: Northwest of the city, at the
end of N. Adams St. & South of Cementary

Discharge Location:
Legal Description: N 1/2 of Sec. 22,
T. 19N, R. 35 E.W.M.

Proposed Treatment Type:
Waste Stabilization Pond, Storage Ponds,
Disinfection & Land Treatment

Latitude: 47° 07' 49" N
Longitude: 118° 23' 51" W.

James M. Bellatty
Water Quality Section Manager
Eastern Regional Office
Washington State Department of Ecology

TABLE OF CONTENTS

SUMMARY OF PERMIT REPORT SUBMITTALS.....	4
SPECIAL CONDITIONS	
S1. DISCHARGE LIMITATIONS	5
S2. MONITORING REQUIREMENTS	6
A. Wastewater Monitoring	
B. Ground Water Monitoring	
C. Soil Monitoring	
D. Crop Monitoring	
E. Sampling and Analytical Procedures	
F. Flow Measurement	
G. Laboratory Accreditation	
S3. REPORTING AND RECORDKEEPING REQUIREMENTS	10
A. Reporting	
B. Records Retention	
C. Recording of Results	
D. Additional Monitoring by the Permittee	
E. Noncompliance Notification	
S4. FACILITY LOADING	11
A. Design Criteria	
B. Plans for Maintaining Adequate Capacity	
C. Wasteload Assessment	
S5. OPERATION AND MAINTENANCE.....	12
A. Certified Operator	
B. O & M Program	
C. Short-term Reduction	
D. Electrical Power Failure	
E. Prevent Connection of Inflow	
F. Bypass Procedures	
G. Operations and Maintenance Manual	
H. Irrigation Land Application	
S6. PRETREATMENT	16
A. Discharge Authorization Required	
B. Prohibitions	
C. Notification of Industrial User Violations	
D. Industrial User Survey	
E. Local Sewer Ordinance	
S7. IRRIGATION AND CROP MANAGEMENT PLAN.....	18
A. Annual Summary of Farm Operations for Previous Year	
B. Cropping Schedule for Upcoming Year	
S8. COMPLIANCE SCHEDULE.....	19

GENERAL CONDITIONS

G1. SIGNATORY REQUIREMENTS.....20

G2. RIGHT OF ENTRY20

G3. PERMIT ACTIONS.....21

G4. REPORTING A CAUSE FOR MODIFICATION21

G5. NOTIFICATION OF NEW OR ALTERED SOURCES21

G6. PLAN REVIEW REQUIRED21

G7. COMPLIANCE WITH OTHER LAWS AND STATUTES.....21

G8. DUTY TO REAPPLY22

G9. PAYMENT OF FEES.....22

G10. PENALTIES FOR VIOLATING PERMIT CONDITIONS22

SUMMARY OF PERMIT REPORT SUBMITTALS

Refer to the Special and General Conditions of this permit for additional submittal requirements.

Permit Section	Submittal	Frequency	First Submittal Date
S2.A	Collection System Monitoring Plan		June 30, 2006
S3.A.	Discharge Monitoring Report	Monthly	May 15, 2006
S4.C.	Wasteload Assessment	annually	October 1, 2006
S5.G.	Operations and Maintenance Manual review confirmation letter or update notification	annually	May 1, 2006
S6.D.	Industrial User Survey	1/permit cycle	December 1, 2006
S6.E.	Sewer Use Ordinance	1/permit cycle	March 1, 2007
S7.	Irrigation and Crop Management Plan	1/year	March 1, 2007
S8.	Wastewater Facilities Plan Submittal		May 30, 2007
G8.	Application for permit renewal	1/permit cycle	August 31, 2010

SPECIAL CONDITIONS

S1. DISCHARGE LIMITATIONS

All discharges and activities authorized by this permit shall be consistent with the terms and conditions of this permit. The discharge of any of the following pollutants more frequently than, or at a concentration in excess of, that authorized by this permit shall constitute a violation of the terms and conditions of this permit.

Beginning on the effective date and lasting through the expiration date of this permit, the Permittee is authorized to apply wastewater to land via spray irrigation at or below the agronomic rates identified in the engineering report (TM-6) on the following designated irrigation lands:

Approximately 110 acres located approximately in the N ½ of Section 22,
Township 19N, Range 35 E.W.M.

Total nitrogen and water applied to the irrigation lands shall not exceed the crop requirements as determined by the Permittee's Irrigation and Crop Management Plan, Condition S7. Discharges shall be subject to the following limitations:

	EFFLUENT LIMITATIONS	
Parameter	Average Monthly^a	Average Weekly
Flow	0.273 MGD	---
BOD ₅	45 mg/L	65 mg/L
TSS	45 mg/L	65 mg/L
		Maximum Day^b
Fecal Coliform	NA	200 per 100 ml
	Annual Loading	
Total Nitrogen ^c	458 lbs/acre	
^a The average monthly effluent limitation is defined as the highest allowable average of daily discharges over a calendar month, calculated as the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.		
^b The maximum daily effluent limitation is defined as the highest allowable daily discharge. The daily discharge means the discharge of a pollutant measured during a calendar day. For pollutants with limitations expressed in units of mass, the daily discharge is calculated as the total mass of the pollutant discharged over the day. For other units of measurement, the daily discharge is the average measurement of the pollutant over the day.		
^c Gross Sum of organic nitrogen, ammonia, nitrite and nitrate		

S2. MONITORING REQUIREMENTS

A. Wastewater Monitoring

The sampling point for the influent will be at the inlet manhole for pond cell No.1.

The sampling point for the effluent from the above ground treatment works will be at the end of pipe prior to discharging to the sprayfields. A tap has been provided in the irrigation pump station for sampling.

The Permittee shall monitor the wastewater according to the following schedule:

Parameter	Units	Sample Point	Sampling Frequency	Sample Type
Flow	MGD	Influent Pump Station	continuous	meter
Flow	MGD	Irrigation Pump Station	continuous	meter
Influent BOD	mg/L	Inlet Manhole	twice/month	8 hr manual Composite
Effluent BOD	mg/L	Pump Station Tap	monthly	Grab
Influent TSS	mg/L	Inlet Manhole	twice/month	8 hr manual Composite
Effluent TSS	mg/L	Pump Station Tap	monthly	Grab
pH	Standard Units	Inlet Manhole	twice/month	8 hr manual Composite
pH	Standard Units	Pump Station Tap	monthly	Grab
TKN (as N)	mg/L	Inlet Manhole	twice/month	8 hr manual Composite
TKN (as N)	mg/L	Pump Station Tap	monthly	Grab
NO ₃ (as N)	mg/L	Pump Station Tap	monthly	Grab
NH ₃ (as N)	mg/L	Pump Station Tap	monthly	Grab
Total-P (as P)	mg/L	Pump Station Tap	monthly	Grab
Chloride	mg/L	Pump Station Tap	monthly	Grab
Total Dissolved Solids	mg/L	Pump Station Tap	monthly	Grab
Total Dissolved Solids	mg/L	Collection System	see note below	see note below
Conductivity	mmhos/cm	Collection System	see note below	see note below
Fecal Coliforms	#/100mL	Pump Station Tap	monthly	Grab
Total Metals	mg/L	Pump Station Tap	yearly	Grab
Metals (total) shall consist of arsenic, cadmium, chromium, copper, lead, mercury, silver and zinc.				

NOTE: The permittee shall submit to the Department for review a Collection system monitoring plan to characterize the wastewater in the collection system in order to identify and assist the permittee to develop a source control plan for TDS.

B. Ground Water Monitoring

The sampling points for ground water will be monitoring wells MW-5, MW-6, MW-7, MW 1^{1,2)}, MW 2^{1,2)}, MW 3^{1,2)} & MW 4^{1,2)}. The Permittee shall monitor the ground water according to the following schedule:

Parameter	Units	Sampling Frequency ²⁾	Sample Type
pH	Standard Units	1/month	Field Measurement
Water Level	to the nearest 0.01 Foot	1/month	Field Measurement
Temperature	°C	1/month	Field Measurement
Bicarbonate	mg/L	1/quarter	Grab
Carbonate	mg/L	1/quarter	Grab
Chloride	mg/L	1/quarter	Grab
Fluoride	mg/L	1/quarter	Grab
Sulfate	mg/L	1/quarter	Grab
Total Dissolved Solids	mg/L	1/month	Grab
NO ₃ (as N)	mg/L	1/month	Grab
TKN (as N)	mg/L	1/month	Grab
Calcium	mg/L	1/quarter	Grab
Magnesium	mg/L	1/quarter	Grab
Potassium	mg/L	1/quarter	Grab
Sodium	mg/L	1/quarter	Grab
Manganese	mg/L	1/quarter	Grab
1) The pre-existing monitoring wells (MW 1, MW 2, MW 3 & MW 4) shall be monitored for TDS, total coliform and water level only.			
2) Quarter is defined as: Jan.-March, April - June, July - Sept., October – December			

C. Soil Monitoring

The Permittee shall perform soil monitoring on the irrigation lands once per year. These sampling sites shall be located so as to be representative of each irrigation site or as represented in the crop management plan. If possible, sampling sites shall remain in the same vicinity from year to year. Testing at each sampling site shall be done at the soil increments given below. Results shall be submitted **annually** with the annual Irrigation and Crop Management Plan.

Composite samples will be for four six depths [0-12"; 12-24"; 36-48"; & 60-72"(or until auger refusal)] and will be from a minimum of four (4) cores. Samples will be collected at a time that best represents soil conditions at the end of the crop growing season.

The Permittee shall monitor the soils in the sprayfields according to the following schedule:

Parameter	Units	Sample Point	Depth Increments ¹
Exchangeable sodium percentage	%	Each field	1, 2, 4, & 6
Cation exchange capacity	meq/100g	"	1, 2, 4, & 6
Organic matter	%	"	1
Moisture content	%	"	1, 2, 4, & 6
TKN (as N)	mg/Kg	"	1, 2, 4, & 6
NO ₃ (as N)	mg/Kg	"	1, 2, 4, & 6
NH ₃ (as N)	mg/Kg	"	1, 2, 4, & 6
Conductivity	mmhos/cm	"	1, 2, 4, & 6
Sodium	mg/Kg	"	1, 2, 4, & 6
Calcium	mg/Kg	"	1, 2, 4, & 6
Magnesium	mg/Kg	"	1, 2, 4, & 6
Potassium	mg/Kg	"	1, 2, 4, & 6
pH	s.u.	"	1, 2, 4, & 6
¹ Depth (inches) vs. Depth increment (ft.) for composite samples:			
0 -12 inches	1 feet		

D. Crop Monitoring

The Permittee shall perform crop monitoring on each field once per harvest. Composite samples will be comprised of at least ten (10) random samples collected from each center-pivot field.

Parameter	Units
Crop production	dry tons/ac
Moisture content	%
Crude protein	mg/Kg (dry wt)
Total Kjeldahl Nitrogen	mg/Kg (dry wt)
NO ₃ (as N)	mg/Kg (dry wt)
Total-P (as P)	mg/Kg (dry wt)
Sodium	mg/Kg (dry wt)
Magnesium	mg/Kg (dry wt)

Parameter	Units
Potassium	mg/Kg (dry wt)
Calcium	mg/Kg (dry wt)

E. Sampling and Analytical Procedures

Samples and measurements taken to meet the requirements of this permit shall be representative of the volume and nature of the monitored parameters, including representative sampling of any unusual discharge or discharge condition, including bypasses, upsets and maintenance-related conditions affecting effluent quality.

Ground water sampling shall conform to the latest protocols in the *Implementation Guidance for the Ground Water Quality Standards*, (Ecology 1996).

Sampling and analytical methods used to meet the water and wastewater monitoring requirements specified in this permit shall conform to the latest revision of the *Guidelines Establishing Test Procedures for the Analysis of Pollutants* contained in 40 CFR Part 136 or to the latest revision of *Standard Methods for the Examination of Water and Wastewater* (APHA), unless otherwise specified in this permit or approved in writing by the Department of Ecology (Department).

All soil analysis and reporting will be in accordance with *Laboratory Procedures*, Soil Testing Laboratory, Washington State University, November 1981.

F. Flow Measurement

Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the quantity of monitored flows. The devices shall be installed, calibrated, and maintained to ensure that the accuracy of the measurements are consistent with the accepted industry standard for that type of device. Frequency of calibration shall be in conformance with manufacturer's recommendations and at a minimum frequency of at least one calibration per year. Calibration records shall be maintained for at least three years.

G. Laboratory Accreditation

All monitoring data required by the Department shall be prepared by a laboratory registered or accredited under the provisions of, *Accreditation of Environmental Laboratories*, Chapter 173-50 WAC. Flow, temperature, pH, and internal process control parameters are exempt from this requirement. pH shall be accredited if the laboratory must otherwise be registered or accredited. Crops and soils testing have not been included in the accreditation program. Crop and soils data shall be provided by an agricultural lab that is an active participant in a nationally recognized agricultural laboratory proficiency testing program.

S3. REPORTING AND RECORDKEEPING REQUIREMENTS

The Permittee shall monitor and report in accordance with the following conditions. The falsification of information submitted to the Department shall constitute a violation of the terms and conditions of this permit.

A. Reporting

The first monitoring period begins on the effective date of the permit. Monitoring results shall be submitted monthly. Monitoring data obtained during the previous month shall be summarized and reported on a form provided, or otherwise approved, by the Department, and be received no later than the 15th day of the month following the completed reporting period, unless otherwise specified in this permit. Priority pollutant analysis data shall be submitted no later than 45 days following the reporting period. The report(s) shall be sent to the Department of Ecology, Attn: Permit Coordinator, 4601 North Monroe, Suite 202, Spokane, Washington 99205-1295.

Discharge Monitoring Report forms must be submitted monthly whether or not the facility was discharging. If there was no discharge or the facility was not operating during a given monitoring period, submit the form as required with the words "no discharge" entered in place of the monitoring results.

B. Records Retention

The Permittee shall retain records of all monitoring information for a minimum of three years. Such information shall include all calibration and maintenance records and all original recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit. This period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the Permittee or when requested by the Director.

The Permittee shall retain all records pertaining to the monitoring of sludge for a minimum of five years.

C. Recording of Results

For each measurement or sample taken, the Permittee shall record the following information: (1) the date, exact place and time of sampling; (2) the individual who performed the sampling or measurement; (3) the dates the analyses were performed; (4) who performed the analyses; (5) the analytical techniques or methods used; and (6) the results of all analyses.

D. Additional Monitoring by the Permittee

If the Permittee monitors any pollutant more frequently than required by this permit using test procedures specified by Condition S2. of this permit, then the results of this monitoring shall be included in calculation and reporting of the data submitted in the Permittee's self-monitoring reports.

E. Noncompliance Notification

In the event the Permittee is unable to comply with any of the permit terms and conditions due to any cause, the Permittee shall:

1. Immediately take action to stop, contain, and cleanup unauthorized discharges or otherwise stop the violation, and correct the problem;
2. Repeat sampling and analysis of any violation and submit the results to the Department within 30 days after becoming aware of the violation;
3. Immediately notify the Department of the failure to comply; and
4. Submit a detailed written report to the Department within thirty days, unless requested earlier by the Department, describing the nature of the violation, corrective action taken and/or planned, steps to be taken to prevent a recurrence, results of the resampling, and any other pertinent information.

Compliance with these requirements does not relieve the Permittee from responsibility to maintain continuous compliance with the terms and conditions of this permit or the resulting liability for failure to comply.

S4. FACILITY LOADING

A. Design Criteria

The following flow and/or waste loading design criteria for the permitted treatment facility shall not be exceeded:

Average Annual Design Flow:	0.27 mgd
Maximum Month Average Flow:	0.35 mgd
Maximum Day flow:	0.55 mgd
Annual Average BOD influent loading:	500 lbs/day
Maximum Month BOD influent loading:	600 lbs/day
Annual Average TSS influent loading:	500 lbs/day
Maximum Month TSS influent loading:	600 lbs/day
Annual Average TN influent loading:	110 lbs/day
Maximum Month TN influent loading:	130 lbs/day

B. Plans for Maintaining Adequate Capacity

When the actual flow or wasteload reaches 85 percent of any one of the design criteria in S4.A. for three consecutive months, or when the projected increases would reach design capacity within five years, whichever occurs first, the Permittee shall submit to the Department, a plan and a schedule for continuing to maintain capacity at the facility sufficient to achieve the effluent limitations and other conditions of this permit. This plan shall address any of the following actions or any others necessary to meet this objective.

1. Analysis of the present design including the introduction of any process modifications that would establish the ability of the existing facility to achieve the effluent limits and other requirements of this permit at specific levels in excess of the existing design criteria specified in paragraph A above.
2. Reduction or elimination of excessive infiltration and inflow of uncontaminated ground and surface water into the sewer system.
3. Limitation on future sewer extensions or connections or additional wasteloads.
4. Modification or expansion of facilities necessary to accommodate increased flow or wasteload.
5. Reduction of industrial or commercial flows or waste loads to allow for increasing sanitary flow or wasteload.

Engineering documents associated with the plan must meet the requirements of WAC 173-240-060, "Engineering Report," and be approved by the Department prior to any construction. The plan shall specify any contracts, ordinances, methods for financing, or other arrangements necessary to achieve this objective.

C. Wasteload Assessment

The Permittee shall conduct an annual assessment of their flow and waste load and submit a report to the Department annually. The report shall contain the following: an indication of compliance or noncompliance with the permit effluent limitations; a comparison between the existing and design monthly average dry weather and wet weather flows, peak flows, BOD, and total suspended solids loadings; and (except for the first report) the percentage increase in these parameters since the last annual report. The report shall also state the present and design population or population equivalent, projected population growth rate, and the estimated date upon which the design capacity is projected to be reached, according to the most restrictive of the parameters above. The interval for review and reporting may be modified if the Department determines that a different frequency is sufficient.

S5. OPERATION AND MAINTENANCE

The Permittee shall at all times be responsible for the proper operation and maintenance of any facilities or systems of control installed to achieve compliance with the terms and conditions of the permit.

A. Certified Operator

An operator certified for at least a **Class I** plant by the State of Washington shall be in responsible charge of the day-to-day operation of the wastewater treatment plant. An operator certified for at least a **Class I** plant shall be in charge during all regularly scheduled shifts.

B. O & M Program

The Permittee shall institute an adequate operation and maintenance program for their entire sewage system. Maintenance records shall be maintained on all major electrical and mechanical components of the treatment plant, as well as the sewage system and pumping stations. Such records shall clearly specify the frequency and type of maintenance recommended by the manufacturer and shall show the frequency and type of maintenance performed. These maintenance records shall be available for inspection at all times.

C. Short-term Reduction

If a Permittee contemplates a reduction in the level of treatment that would cause a violation of permit discharge limitations on a short-term basis for any reason, and such reduction cannot be avoided, the Permittee shall give written notification to the Department, if possible, 30 days prior to such activities, detailing the reasons for, length of time of, and the potential effects of the reduced level of treatment. This notification does not relieve the Permittee of their obligations under this permit.

D. Electrical Power Failure

The Permittee is responsible for maintaining adequate safeguards to prevent the discharge of untreated wastes or wastes not treated in accordance with the requirements of this permit during electrical power failure at the treatment plant and/or sewage lift stations either by means of alternate power sources, standby generator, or retention of inadequately treated wastes. The Permittee shall maintain Reliability Class III (EPA 430-99-74-001) at the wastewater treatment plant which requires disinfection and backup influent pumping capacity for design flow.

E. Prevent Connection of Inflow

The Permittee shall strictly enforce their sewer ordinances and not allow the connection of inflow (roof drains, foundation drains, etc.) to the sanitary sewer system.

F. Bypass Procedures

The Permittee shall immediately notify the Department of any spill, overflow, or bypass from any portion of the collection or treatment system.

The bypass of wastes from any portion of the collection or treatment system is prohibited unless one of the following conditions (1, 2, or 3) applies:

1. Unavoidable Bypass -- Bypass is unavoidable to prevent loss of life, personal injury, or severe property damage. "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which would cause them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass.

If the resulting bypass from any portion of the treatment system results in noncompliance with this permit the Permittee shall notify the Department in accordance with condition S3.E "Noncompliance Notification."

2. Anticipated Bypass That Has the Potential to Violate Permit Limits or Conditions -- Bypass is authorized by an administrative order issued by the Department. The Permittee shall notify the Department at least 30 days before the planned date of bypass. The notice shall contain a description of the bypass and its cause; the duration of the bypass, including exact dates and times; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the bypass. The Department will consider the following prior to issuing an administrative order:
 - a. If the bypass is necessary to perform construction or maintenance-related activities essential to meet the requirements of the permit.
 - b. If there are feasible alternatives to bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, maintenance during normal periods of equipment down time, or transport of untreated wastes to another treatment facility.
 - c. If the bypass is planned and scheduled to minimize adverse effects on the public and the environment.

After consideration of the above and the adverse effects of the proposed bypass and any other relevant factors, the Department will approve or deny the request. The public shall be notified and given an opportunity to comment on bypass incidents of significant duration, to the extent feasible. Approval of a request to bypass will be by administrative order issued by the Department under RCW 90.48.120.

3. Bypass For Essential Maintenance Without the Potential to Cause Violation of Permit Limits or Conditions -- Bypass is authorized if it is for essential maintenance and does not have the potential to cause violations of limitations or other conditions of the permit, or adversely impact public health as determined by the Department prior to the bypass.

G. Operations and Maintenance Manual

An Operations and Maintenance (O&M) Manual shall be prepared by the Permittee in accordance with WAC 173-240-080 and shall be reviewed by the Permittee at least annually. The Permittee shall confirm the review by letter and/or a manual update to the Department. All manual changes or updates shall be submitted to the Department whenever they are incorporated into the manual. The approved operation and maintenance manual shall be kept available at the treatment plant.

The operation and maintenance manual shall contain the treatment plant process control monitoring schedule. All operators shall follow the instructions and procedures of this manual.

The manual shall include:

1. The assignment of managerial and operational responsibilities to include plant classification and classification of required operators.
2. A description of plant type, flow pattern, operation, and efficiency expected.
3. The principal design criteria.
4. A process description of each plant unit, including function, relationship to other plant units, and schematic diagrams.
5. A discussion of the detailed operation of each unit and description of various controls, recommended settings, fail-safe features, etc.
6. Irrigation system operational controls and procedures.
7. A discussion of how the treatment facilities are to be operated during anticipated maintenance procedures, and under less than design loading conditions, if applicable, such as initial loading on a system designed for substantial growth.
8. A section on laboratory procedures including sampling techniques, monitoring requirements, and sample analysis.
9. Record keeping procedures and sample forms to be used.
10. A maintenance schedule incorporating manufacturer's recommendations, preventative maintenance and housekeeping schedules, and special tools and equipment usage.
11. A section on safety.
12. A section stating the spare parts inventory, address of local suppliers, equipment warranties, and appropriate equipment catalogues.
13. Emergency procedures for plant shutdown and cleanup in event of wastewater system upset or failure.
14. Protocols and procedures for ground water monitoring network sampling and testing.
15. Protocols and procedures for soil zone sampling and testing.
16. Protocols and procedures for crop consumption sampling and testing.

H. Irrigation Land Application

1. There shall be no runoff of wastewater applied to land by spray irrigation to any surface waters of the state or to any land not owned by or under control of the Permittee.
2. The Permittee shall use recognized good practices, and all available and reasonable procedures to control odors from the land application system. When notified by the Department, the Permittee shall implement measures to reduce odors to a reasonable minimum.
3. The wastewater shall not be applied to the irrigation lands in quantities that:
 - a. Significantly reduce or destroy the long-term infiltration rate of the soil.
 - b. Cause long-term anaerobic conditions in the soil.
 - c. Cause ponding of wastewater and produce objectionable odors or support insects or vectors.
 - d. Cause leaching losses of constituents of concern beyond the treatment zone or in excess of the approved design. Constituents of concern are constituents in the wastewater, partial decomposition products, or soil constituents that would alter ground water quality in amounts that would affect current and future beneficial uses.
4. The Permittee shall maintain all irrigation agreements for lands not owned for the duration of the permit cycle. Any reduction in irrigation lands by termination of any irrigation agreements may result in permit modification or revocation. The Permittee shall immediately inform the Department in writing of any proposed changes to existing agreements.

S6. PRETREATMENT

The Permittee shall work cooperatively with the Department to ensure that all commercial and industrial users of the wastewater treatment system are in compliance with pretreatment regulations.

A. Discharge Authorization Required

Significant commercial or industrial operations shall not be allowed to discharge wastes to the Permittee's sewerage system until they have received prior authorization from the Department in accordance with Chapter 90.48 RCW and Chapter 173-216 WAC, as amended. The Permittee shall immediately notify the Department of any proposed new sources of wastewater from significant commercial or industrial operations.

B. Prohibitions

A non-domestic discharger may not introduce into the Permittee's sewerage system any pollutant(s) that cause pass through or interference.

The following non-domestic discharges shall not be discharged into the Permittee's sewerage system.

1. Pollutants that create a fire or explosion hazard in the domestic wastewater facilities (including, but not limited to waste streams with a closed cup flashpoint of less than 140 degrees Fahrenheit or 60 degrees Centigrade using the test methods specified in 40 CFR 261.21).
2. Pollutants that will cause corrosive structural damage to the domestic wastewater facilities, but in no case discharges with pH lower than 5.0 standard units or greater than 11.0 standard units, unless the works are specifically designed to accommodate such discharges.
3. Solid or viscous pollutants in amounts that could cause obstruction to the flow in sewers or otherwise interfere with the operation of the POTW.
4. Any pollutant, including oxygen demanding pollutants, (BOD, etc.) released in a discharge at a flow rate and/or pollutant concentration which will cause interference with the POTW.
5. Heat in amounts that will inhibit biological activity in the POTW resulting in interference, but in no case heat in such quantities such that the temperature at the POTW exceeds 40°C (104°F) unless the Department, upon request of the Permittee, approves, in writing, alternate temperature limits.
6. Petroleum oil, non-biodegradable cutting oil, or products of mineral origin in amounts that will cause interference or pass through.
7. Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity which may cause acute worker health and safety problems.
8. Any trucked or hauled pollutants, except at discharge points designated by the Permittee.
9. As provided by WAC 173-303-071(3)(a), discharges of dangerous wastes into the sewerage system by industrial or commercial users are prohibited unless the discharger has submitted an application for a State Waste Discharge Permit. The applicant must accurately describe the wastewater on a State Waste Discharge Permit Application for Industrial Discharges to a POTW (Ecology Form 040-177).
10. Noncontact cooling water in significant volumes.
11. Stormwater, and other direct inflow sources.

12. Wastewaters significantly affecting system hydraulic loading, which do not require treatment or would not be afforded a significant degree of treatment by the system.

C. Notification of Industrial User Violations

The Permittee shall notify the Department if any non-domestic user violates the prohibitions listed in S7.B above.

D. Industrial User Survey

The Permittee shall perform an industrial user survey, or other activities (e.g., sewer use ordinance and local limits development), which are necessary for the proper administration of the state pretreatment program. The industrial user survey shall be completed and submitted to the Department by **December 1, 2006**

E. Local Sewer Ordinance

The Permittee shall update or develop a sewer ordinance and submit to the Department by **March 1, 2007**.

S7. IRRIGATION AND CROP MANAGEMENT PLAN

An Irrigation and Crop Management Plan shall be submitted annually by March 1 for Department review. The plan shall generally conform with *Guidelines for Preparation of Engineering Reports for Industrial Wastewater Land Application Systems*, Ecology 1993. The plan must be prepared by a soil scientist. The plan shall include the following elements:

A. Annual Summary of Farm Operations for Previous Year

This summary shall include:

1. For each crop grown, the total acreage and quantity harvested.
2. Calculated balances for nutrients, salts, TDS, or other design limiting parameters. The calculations shall include crop consumptive use, process wastewater loadings of nutrients, salts, TDS or other design limiting parameters, and contributions from commercial fertilizers applied.
3. Calculated water balance. The calculations shall include irrigation system efficiency and application uniformity, the quantity of supplemental irrigation water and process wastewater applied, crop consumptive use, water stored in the soil profile outside the normal growing season, and salt leaching requirements.
4. Soil testing results. A summary of the soil testing results shall be submitted and discussed as part of the annual Irrigation and Crop Management Plan.

5. Crop testing results. A summary of the crop testing results shall be submitted and discussed as part of the annual Irrigation and Crop Management Plan.

B. Cropping Schedule for Upcoming Year

This schedule shall include:

1. Crop Management. The proposed acreage for each crop, cultivation and harvesting requirements, expected crop yields, and methods for establishing a crop, and proposed schedule for herbicide, pesticide, and fertilizer application.
2. Irrigation Management. The frequency and timing of wastewater and supplemental irrigation water application (including harvest and non-harvest periods), and recommended rest cycles for wastewater application where organic or hydraulic loading is a concern.

S8. COMPLIANCE SCHEDULE

The permittee shall conduct an investigation and prepare and submit a wastewater facilities plan update documenting the investigation, analysis and subsequent recommendation for wastewater facility improvement. The wastewater facilities plan update shall be submitted by May 30, 2007.

GENERAL CONDITIONS

G1. SIGNATORY REQUIREMENTS

All applications, reports, or information submitted to the Department shall be signed as follows:

- A. All permit applications shall be signed by either a principal executive officer or ranking elected official.
- B. All reports required by this permit and other information requested by the Department shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:
 - 1. The authorization is made in writing by the person described above and is submitted to the Department at the time of authorization, and
 - 2. The authorization specifies either a named individual or any individual occupying a named position.
- C. Changes to authorization. If an authorization under paragraph B.2. above is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization must be submitted to the Department prior to or together with any reports, information, or applications to be signed by an authorized representative.
- D. Certification. Any person signing a document under this section shall make the following certification:

"I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

G2. RIGHT OF ENTRY

Representatives of the Department shall have the right to enter at all reasonable times in or upon any property, public or for the purpose of inspecting and investigating conditions relating to the pollution or the possible pollution of any waters of the state. Reasonable times shall include normal business hours; hours during which production, treatment, or discharge occurs; or times when the Department suspects a violation requiring immediate inspection. Representatives of the Department shall be allowed to have access to, and copy at reasonable cost, any records required to be kept under terms and conditions of the permit; to inspect any monitoring equipment or method required in the permit; and to sample the discharge, waste treatment processes, or internal waste streams.

G3. PERMIT ACTIONS

This permit shall be subject to modification, suspension, or termination, in whole or in part by the Department for any of the following causes:

- A. Violation of any permit term or condition;
- B. Obtaining a permit by misrepresentation or failure to disclose all relevant facts;
- C. A material change in quantity or type of waste disposal;
- D. A material change in the condition of the waters of the state; or
- E. Nonpayment of fees assessed pursuant to RCW 90.48.465.

The Department may also modify this permit, including the schedule of compliance or other conditions, if it determines good and valid cause exists, including promulgation or revisions of regulations or new information.

G4. REPORTING A CAUSE FOR MODIFICATION

The Permittee shall submit a new application, or a supplement to the previous application, along with required engineering plans and reports, whenever a new or increased discharge or change in the nature of the discharge is anticipated which is not specifically authorized by this permit. This application shall be submitted at least 60 days prior to any proposed changes. Submission of this application does not relieve the Permittee of the duty to comply with the existing permit until it is modified or reissued.

G5. NOTIFICATION OF NEW OR ALTERED SOURCES

The Permittee shall submit written notice to the Department whenever any new discharge or increase in volume or change in character of an existing discharge into the sewer is proposed which: (1) would interfere with the operation of, or exceed the design capacity of, any portion of the collection or treatment system; (2) would increase the total system flow or influent waste loading by more than 10 percent; (3) is not part of an approved general sewer plan or approved plans and specifications; or would be subject to pretreatment standards under 40 CFR Part 403 and Section 307(b) of the Clean Water Act. This notice shall include an evaluation of the system's ability to adequately transport and treat the added flow and/or wasteload.

G6. PLAN REVIEW REQUIRED

Prior to constructing or modifying any wastewater control facilities, an engineering report and detailed plans and specifications shall be submitted to the Department for approval in accordance with Chapter 173-240 WAC. Engineering reports, plans, and specifications should be submitted at least 180 days prior to the planned start of construction. Facilities shall be constructed and operated in accordance with the approved plans.

G7. COMPLIANCE WITH OTHER LAWS AND STATUTES

Nothing in the permit shall be construed as excusing the Permittee from compliance with any applicable federal, state, or local statutes, ordinances, or regulations.

G8. DUTY TO REAPPLY

The Permittee must apply for permit renewal at least 180 days prior to the specified expiration date of this permit.

G9. PAYMENT OF FEES

The Permittee shall submit payment of fees associated with this permit as assessed by the Department. The Department may revoke this permit if the permit fees established under Chapter 173-224 WAC are not paid.

G10. PENALTIES FOR VIOLATING PERMIT CONDITIONS

Any person who is found guilty of willfully violating the terms and conditions of this permit shall be deemed guilty of a crime, and upon conviction thereof shall be punished by a fine of up to ten thousand dollars and costs of prosecution, or by imprisonment in the discretion of the court. Each day upon which a willful violation occurs may be deemed a separate and additional violation.

Any person who violates the terms and conditions of a waste discharge permit shall incur, in addition to any other penalty as provided by law, a civil penalty in the amount of up to ten thousand dollars for every such violation. Each and every such violation shall be a separate and distinct offense, and in case of a continuing violation, every day's continuance shall be and be deemed to be a separate and distinct violation.